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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/522,563	03/10/2000	Kenneth F. Cook	13DV13190	5583

29399 7590 03/06/2003

JOHN S. BEULICK
C/O ARMSTRONG TEASDALE LLP
ONE METROPOLITAN SQUARE
SUITE 2600
ST. LOUIS, MO 63102-2740

EXAMINER

PATEL, PARESH H

ART UNIT

PAPER NUMBER

2829

DATE MAILED: 03/06/2003

Please find below and/or attached an Office communication concerning this application or proceeding.



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09/522,563	03/10/2000	Kenneth F. Cook	I3DV13190	5583

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Fax Cover Sheet

Date: 24 Feb 2003

To: Robert B. Reeser III	From: Paresh Patel
Application/Control Number: 09/522,563	Art Unit: 2829
Fax No.: 314-621-5065	Phone No.: 703-306-5859
Voice No.: (513) 243-3342	Return Fax No.: 703-872-9318
Re:	CC:
<input type="checkbox"/> Urgent <input type="checkbox"/> For Review <input type="checkbox"/> For Comment <input type="checkbox"/> For Reply <input checked="" type="checkbox"/> Per Your Request	

Comments:

Please see attached PTO-90C and copy of office action.

Number of pages 7 **including this page**

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Washington, DC 20231



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Washington, D.C. 20231

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO. 13DV13190
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09/522,563

03/10/2000

EXAMINER

Paresh Patel

ART UNIT	PAPER
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2829

12

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Examiner called Mr. Reeser III on 02/20/2003 and left a message regarding a response to the office action mailed 07/30/2003. Mr. Reeser III called the Examiner on 02/21/2003 regarding the same matter and confirm that he did not received the office action which USPTO mailed on 07/30/2003 and requested a FAX copy. In addition to this communication letter Examiner also faxes a copy of last Office action mailed on 07/30/2002. Please contact Examiner Paresh Patel at 703-306-5859 for any further inquiry concerning this communication.

 *** TX REPORT ***

TRANSMISSION OK

TX/RX NO	1431
CONNECTION TEL	913146215065
SUBADDRESS	
CONNECTION ID	
ST. TIME	02/24 14:09
USAGE T	02'30
PGS.	7
RESULT	OK



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Office Action Summary

Application No.

09/522,563

Applicant(s)

COOK ET AL.

Examiner

Paresh Patel

Art Unit

2829

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 May 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☒ The proposed drawing correction filed on 13 May 2002 is: a) ☒ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 1-18 are have been considered but are moot in view of the new ground(s) of rejection.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-18 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-15 of U.S. Patent No. 6205009. Although the conflicting claims are not identical, they are not patentably distinct from each other.

As to Claim 1, U.S. Patent No. 6205009 discloses in claims 1, 3, 4 and 6: a method comprising the step of summing the voltages (obtaining a sum); determine a difference between a current value (first filter output) of the summed voltage value to a reference value (second filter output); and if absolute value (determining an absolute

Art Unit: 2829

value) of difference exceeds a freeze threshold (a threshold), then maintaining a reference value constant (a fixed value).

Claim 2 is suggested by claims 6 of U.S. Patent No. 6205009.

Claim 3 is suggested by claim 5 of U.S. Patent No. 6205009.

Claim 4 is suggested by claims 3 and 4 of U.S. Patent No. 6205009.

Claim 5 is suggested by claim 1 of U.S. Patent No. 6205009.

As to Claims 6 and 15, U.S. Patent No. 6205009 discloses in claims 9, 11 and 12: an apparatus comprising: a short term filter (a first filter); a long term filter (a second filter); and a summer (a summer).

Claim 7 is suggested by claim 1 of U.S. Patent No. 6205009.

Claim 8 is suggested by claim 14 of U.S. Patent No. 6205009.

Claim 9 is suggested by claim 9 of U.S. Patent No. 6205009.

Claim 10 is suggested by claim 15 of U.S. Patent No. 6205009.

Claim 11 is suggested by claim 6 of U.S. Patent No. 6205009.

Claim 12 is suggested by claim 11 of U.S. Patent No. 6205009.

Claims 13 and 18 are suggested by claim 13 of U.S. Patent No. 6205009.

Claim 14 is suggested by claims 11 and 12 of U.S. Patent No. 6205009.

Claims 16 and 17 are suggested by claim 11 of U.S. Patent No. 6205009.

Please note that the recitation detecting fault in a transducer including a secondary winding having at least two voltages in has not been given patentable weight because the recitation occurs in the preamble. A preamble is generally not accorded

Art Unit: 2829

any patentable weight where it merely recites the purpose of a process or the intended use of a structure, and where the body of the claim does not depend on the preamble for completeness but, instead, the process steps or structural limitations are able to stand alone. See *In re Hirao*, 535 F.2d 67, 190 USPQ 15 (CCPA 1976) and *Kropa v. Robie*, 187 F.2d 150, 152, 88 USPQ 478, 481 (CCPA 1951).

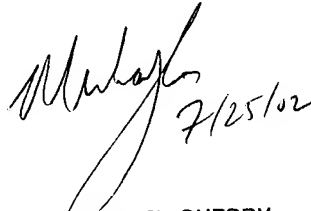
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paresh Patel whose telephone number is 703-306-5859. The examiner can normally be reached on M-F (8:30 to 4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on 703-308-1680.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Paresh Patel
July 24, 2002


7/25/02
MICHAEL SHERRY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800